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SEQUENCE LISTING

<110> Abbott Laboratories
Billing-Medel, Patricia A.
Cohen, Maurice
Colpitts, Tracey L.
Friedman, Paula N.
Gordon, Julian
Granados, Edward N.
Hodges, Steven C.
Klass, Michael R.
Kratochvil, Jon D.
Roberts-Rapp, Lisa
Russell, John C.
Stroupe, Stephen D.

<120> Reagents And Method Useful For Detecting
Diseases Of The Breast

<130> 5995.US.P2

<140> 09/516,444
<141> 2000-02-29

<150> US 08/962,094
<151> 1997-10-31

<150> US 08/742,067
<151> 1996-10-31

<160> 39

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 201
<212> DNA
<213> Artificial Sequence

<220>
<223> EST Clone 1662885

<221> misc_feature
<222> (26)...(26)
<223> n = a or g or c or t/u, unknown or other at
position 26

<221> misc_feature
<222> (98)...(98)
<223> n = a or g or c or t/u, unknown or other at
position 98

<221> misc_feature
<222> (133)...(133)
<223> n = a or g or c or t/u, unknown or other at

position 133

<221> misc_feature
 <222> (145)...(145)
 <223> n = a or g or c or t/u, unknown or other at
 position 145

<221> misc_feature
 <222> (183)...(183)
 <223> n = a or g or c or t/u, unknown or other at
 position 183

<400> 1
 ctcttaggct ttgaagcatt tttgtntgtg ctccctgac ttcatgtcac caccatgaag 60
 ttcttagcag tcctgggtact cttgggagtt tccatctntc tggctctctgc ccagaatccg 120
 acaacagctg ctncagctga cacgnatcca gctactgggc ctgctgatga tgaagccct 180
 gangctgaaa cactgctgc t 201

<210> 2
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 2
 taggctttga agcatttttg tctgtgtctc ctgatcttca ggccaccacc atgaagttct 60
 tagcagtcct ggtactcttg ggagtttcca tctttctggc ctctgccag aatccgacaa 120
 cagctgctcc agctgacacg tatccagcta ctggctctgc tgatgatgaa gccctgatg 180
 ctgaaaccac tgctgtctga accactgcga cactgctgc tcctaccact gcaaccaccg 240
 ctgcttctac cactgctctg aaagacattc cagttttacc caaatgggtt ggggatcttc 300
 cgaatggg 308

<210> 3
 <211> 292
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> EST Clone 901429

<221> misc_feature
 <222> (236)...(236)
 <223> n = a or g or c or t/u, unknown or other at
 position 236

<221> misc_feature
 <222> (259)...(259)
 <223> n = a or g or c or t/u, unknown or other at
 position 259

<400> 3
 gcatttttgt ctgtgtctcc tgatcttcat gtcaccacca tgaagttctt agcagtcctg 60
 gtactcttgg gagtttccat ctttctgggc tctgccaga atccgacaa agctgctcca 120
 gctgacacgt atccagctac tggctctgct gatgatgaag cccctgatgc tgaaccact 180
 gctgtgcaa cactgctgac cactgctgct cctaccactg caaccaccgc tgcttntacc 240
 actgctcgta aagacattnc agttttaccc aaatgggttg gggatctccc ga 292

<210> 4

<211> 197
 <212> DNA
 <213> Homo sapiens

<400> 4
 gttttaccca aatgggttg ggatctcccg aatggtagag tgtgtccctg agatggaatc 60
 agcttgagtc ttctgcaatt ggtcacaact attcatgctt cctgtgattt catccaacta 120
 cttaccttgc ctacgatatc ccctttatct ctaatcagtt tattttcttt caaataaaaa 180
 ataactatga gcaacat 197

<210> 5
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 5
 ctcttaggct ttgaagcatt tttgtctgtg ctccctgac ttcatgtcac caccatgaag 60
 ttcttagcag tcctgggtact cttgggagtt tccatctttc tgggtctctgc ccagaatccg 120
 acaacagctg ctccagctga cacgtatcca gctactgggc ctgctgatga tgaagcccct 180
 gatgctgaaa ccaactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc 240
 accgctgctt ctaccactgc tcgtaaagac attccagttt taccctaatg ggttggggat 300
 ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattgggc 360
 acaactattc atgcttcctg tgatttcac caactactta ccttgccctac gatatcccct 420
 ttatctctaa tcagttttatt ttctttcaaa taaaaaataa ctatgagcaa ca 472

<210> 6
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 6
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 ttcttagcag tcctgggtact cttgggagtt tccatctttc tgggtctctgc ccagaatccg 120
 acaacagctg ctccagctga cacgtatcca gctactgggc ctgctgatga tgaagcccct 180
 gatgctgaaa ccaactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc 240
 accgctgctt ctaccactgc tcgtaaagac attccagttt taccctaatg ggttggggat 300
 ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattgggc 360
 acaactattc atgcttcctg tgatttcac caactactta ccttgccctac gatatcccct 420
 ttatctctaa tcagttttatt ttctttcaaa taaaaaataa ctatgagcaa cat 473

<210> 7
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Restriction site

<400> 7
 agctcggaat tccgagcttg gatcctctag agcggccgcc gactagttag ctgctcgacc 60
 cggaatt 68

<210> 8
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Restriction site

<400> 8

aattaattcc cgggtcgacg agtcactag tcggcggccg ctctagagga tccaagctcg 60
 gaattccg 68

<210> 9

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal Primer

<400> 9

agcggataac aatttcacac agga 24

<210> 10

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal Primer

<400> 10

tgtaaaacga cggccagt 18

<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 11

actgctcgta aagacattcc 20

<210> 12

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 12

gggacacact ctaccattc 19

<210> 13

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Sense Primer

<400> 13

aagcccctga tgctgaaacc

20

<210> 14

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Antisense Primer

<400> 14

tgcagaagac tcaagctgat tcc

23

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Target-Specific Forward Primer

<400> 15

aagcccctga tgctgaaacc

20

<210> 16

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Target-Specific Reverse Primer

<400> 16

tgcagaagac tcaagctgat tcc

23

<210> 17

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Probe

<400> 17

gaccactgct gctcc

15

<210> 18

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Sense Primer

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<400> 18
actgctcgta aagacattcc

20

<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Primer

<400> 19
gggacacact ctaccattc

19

<210> 20
<211> 90
<212> PRT
<213> Homo sapiens

<400> 20
Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
1 5 10 15
Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
20 25 30
Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
35 40 45
Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
50 55 60
Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65 70 75 80
Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
85 90

<210> 21
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 21
Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr
1 5 10 15
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala Ala Ala
20 25 30
Thr Thr Ala Thr Thr Ala Ala
35

<210> 22
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 22

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Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala Ala Ser
 1             5             10             15
Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp
          20          25          30
Leu Pro Asn Gly Arg Val Cys
          35

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<210> 23

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 23

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Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu Pro
 1             5             10             15
Asn Gly Arg Val Cys
          20

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<210> 24

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 24

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Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr Gly Pro Ala Asp Asp Glu
 1             5             10             15
Ala Pro Asp Ala Glu
          20

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<210> 25

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 25

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Ala Gln Asn Pro Thr Thr Ala Ala Cys
 1             5

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<210> 26

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 26

Cys Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu
 1 5 10 15
 Pro Asn Gly Arg Val Cys Pro
 20

<210> 27

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 27

Gly Gly Trp Val Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
 1 5 10

<210> 28

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 28

Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Cys
 1 5 10

<210> 29

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 29

Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr
 1 5 10 15
 Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala Ala Ala
 20 25 30
 Thr Thr Ala Thr Thr Ala Ala Cys
 35 40

<210> 30

<211> 11

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<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 30
Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Cys
1 5 10

<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 31
Asn Pro Thr Thr Ala Ala Pro Ala Asp Cys
1 5 10

<210> 32
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 32
Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Cys
1 5 10

<210> 33
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 33
Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu Pro
1 5 10 15
Asn Gly Arg Val Cys Pro
20

<210> 34
<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> Affinity Purification System Recognition Site

<400> 34

Ala	Ser	Pro	Thr	Tyr	Arg	Leu	Tyr	Ser	Ala	Ser	Pro	Ala	Ser	Pro	Ala
1				5				10						15	
Ser	Pro	Ala	Ser	Pro	Leu	Tyr	Ser								
				20											

<210> 35

<211> 57

<212> PRT

<213> Artificial Sequence

<220>

<223> Affinity Purification System Recognition Site

<400> 35

Gly	Leu	Gly	Leu	Asn	Leu	Tyr	Ser	Leu	Glu	Ile	Leu	Glu	Ser	Glu	Arg
1				5				10						15	
Gly	Leu	Gly	Leu	Ala	Ser	Pro	Leu	Glu	Ala	Ser	Asn	Met	Glu	Thr	His
			20				25					30			
Ile	Ser	Thr	His	Arg	Gly	Leu	His	Ile	Ser	His	Ile	Ser	His	Ile	Ser
		35				40				45					
His	Ile	Ser	His	Ile	Ser	His	Ile	Ser							
		50				55									

<210> 36

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> BamH I site

<400> 36

tccatctttc tggtcggatc ccagaatccg acaaca

36

<210> 37

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Pme I site

<400> 37

gagcggccgc atcgtttaaa ctgacgatct gcctc

35

<210> 38

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> XbaI site plus 12 nucleotide sequences that encode
the four amino acid sequences

<400> 38
Ser Asn Glu Leu
1

<210> 39
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Antisense primer incorporates a sequence encoding
the eight amino acids just before the stop codons

<400> 39
Asp Tyr Lys Asp Asp Asp Asp Lys
1 5